

# **VISIBLE EMISSION OBSERVATION FORM**

Method Used <b>Method 9</b>		
Equipment Owner <b>N/A</b>		
Facility Name <b>McWane Ductile</b>		
EO Street Address		
EO City <b>N/A</b>	EO State <b>NA</b>	EO Zip <b>N/A</b>

Process <b>N/A</b>	Unit <b>N/A</b>	Operating Mode <b>N/A</b>
Control Equipment <b>N/A</b>	Operating Mode <b>N/A</b>	

Describe Emission Point <b>Fugitive VEs exiting under roof of Shrou</b>			
Height of Emiss. Pt. Start <b>24.87</b> End <b>Same</b>		Height of Emiss. Pt. Rel. to Observer Start <b>20.87</b> End <b>Same</b>	
Distance to Emiss. Pt. Start <b>215.18</b> End <b>Same</b>		Direction to Emiss. Pt. (Degrees) Start <b>241.83</b> End <b>Same</b>	

Vertical Angle to Obs. Pt. Start <b>4.94</b> End <b>Same</b>		Direction to Obs. Pt. Start <b>241.43</b> End <b>Same</b>	
Distance and Direction to Observation Point from Emission Point Start <b>43.42 / 300.66</b> End <b>Same</b>			

Describe Emissions VES due to charging of Start furnace in shroud End <b>Same</b>	
Emission Color Start <b>Dust</b> End <b>Same</b>	Water Droplet Plume Attached: ( ) Detached: ( ) N/A: ( X )

Describe Plume Background Start <b>Heavy overcast.</b> End <b>Same</b>			
Background Color Start <b>Gray</b> End <b>Same</b>		Sky Conditions Start <b>Overcast</b> End <b>Same</b>	
Wind Speed Start <b>7</b> End <b>Same</b>		Wind Direction Start <b>225</b> End <b>Same</b>	
Ambient Temp. Start <b>46</b> End <b>Same</b>	Wet Bulb Temp. Start <b>39</b> End <b>Same</b>	RH Percent Start <b>76</b> End <b>Same</b>	



Longitude <b>081.51.37.526 W</b>	Latitude <b>40.14.51.579 N</b>	Declination
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Notes Photos are of fugitive visible emissions exiting under the shroud
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Form Number					Page Of				
Continued on VEO Form Number									
Observation Date <b>12/8/2015</b>			Time Zone <b>CST</b>		Start Time <b>10:43:04</b>		End Time <b>11:36:33</b>		
Comments									
1	5	15	5	5					
2	5	5	5	5					
3	5	5	5	5	Avg. Opacity = 8.958				
4	5	5	N/A	0					
5	5	5	5	10					
6	5	15	5	5					
7	5	5	10	5					
8	10	5	5	5					
9	5	10	80	5					
10	5	0	5	5					
11	5	5	5	5					
12	10	10	5	5					
13	5	5	5	5					
14	5	5	5	5					
15	15	5	5	5					
16	5	5	5	15					
17	10	20	10	5					
18	5	10	5	15					
19	0	10	5	5					
20	5	5	5	5					
21	5	5	5	10					
22	5	5	5	5					
23	5	5	5	5					
24	5	5	5	5					
25	10	5	5	5					
26	5	10	5	5					
27	0	5	5	5					
28	10								
29									
30									
31									
32									

Observers Name (Print) <b>Observer Five</b>	
Observers Signature <i>Observer Five</i>	Date <b>12/15/2015</b>
Organization <b>USEPA Region 5</b>	
Certified By <b>Observer One</b>	Date <b>12/18/2015</b>

**Source**

Name: McWane Ductile  
Address: 2266 South Sixth Street  
City: Coshocton  
State: OH  
Zip: 43812  
Phone:  
Local ID:

**Regulatory**

Permit ID:  
Condition:  
Regulatory Reference:

**Process**

Process: N/A  
Unit: N/A  
Operating Mode: N/A

**Complaint**

Name:  
Address:  
City:  
State: NA  
Zip:

**Equipment**

Name: Shroud

**Type of Inspection**

Type of Inspection: Followup

**Sun**

Altitude: 26.5  
Azimuth: 170.7  
Data Source: Calculated

**Map Information**

Map Type: USGSDRG  
Map Width: 1004

**Analysis**

Averaging Type: Manual  
Method: Method 9  
Number of Images: 24  
Rolling High Count: 24  
Seconds Between Images: 15  
Who Created: DOCS II  
Creation Date: 9/22/2011

Analyst Name: Allison Dolan  
Affiliation: Virtual Technology 301 Campaign  
Comments: